



U.S. Department  
of Transportation

Research and  
Special Programs  
Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE NUMBER USA/0393/S, REVISION 2

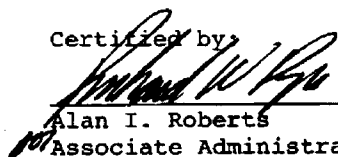
400 Seventh Street, S.W.  
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive materials.

1. Source Identification - CIS-US, Inc. Model 791
2. Source Description - The source described by this certificate is a heliarc welded, single encapsulation constructed of Type 316 or Type 316L stainless steel. Its dimensions are 5.0 mm (0.197") in diameter and 7.6 mm (0.299") in length. Sources authorized by this certificate must be manufactured in accordance with CIS-US, Inc. drawing no. 79100, Revision 4 (attached).
3. Radioactive Contents - not more than 8.88 TBq (240 Ci) of Ir-192 in solid metallic form.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires June 8, 2003.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated April 8, 1998 and June 4, 1998 submitted by CIS-US, Inc., Bedford, MA, and in consideration of other information on file in this Office.

Certified by,

  
Alan I. Roberts

Associate Administrator for Hazardous Materials Safety

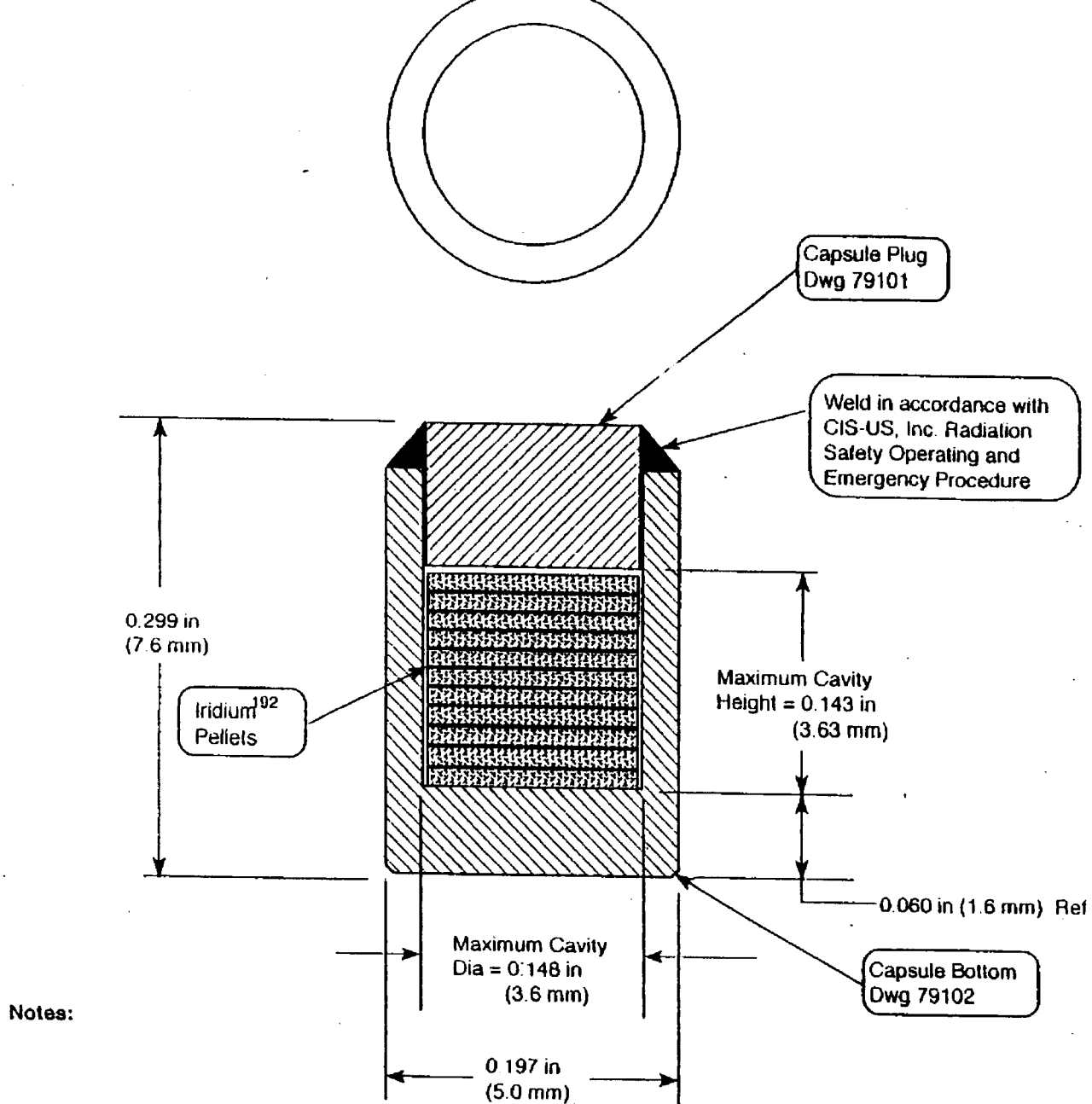
JUN - 9 1998

(DATE)

Revision 2 - issued to update certificate to the 1985 IAEA regulations and to extend the expiration date.

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1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.



Notes:

**CIS-US, Inc.**

*Subsidiary of CIS bio international*

35 Flagship Drive, North Andover, MA, 01845, USA Tel: 508 683 5211, Fax: 508 683 9400



Material	Noted	Unless otherwise specified, tolerances shall be:	Source Capsule Assembly	
Finish	See detail		79100	4
Drawn by:	JMunro	X : ± 1		
Mgr Appvl	<i>[Signature]</i> 2/13/92	X X : ± 0.1		
RA/QA	<i>[Signature]</i> 2/14/92	X X X : ± 0.01		
Scale	10:1	X X X X : ± 0.005 Angles : ± 0.5°		